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Functionalization of molecules in confined space

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Stellingen

behorende bij het proefschrift

Functionalization of Molecules in Confined Space

door

Yuchen Wei

1. Knowing synthetic chemistry will help the design, fabrication and characterization in material science. —*this thesis*
2. Even though one milligram of a compound seems not too much, it may take more than twenty steps of synthesis and is the beloved kid of its creator.
3. If you clearly understand the purpose and form of a paper, it can be immensely useful to you in organizing and conducting your research. — Whitesides, G. M. *Adv. Mater.* **2004**, *16* (15), 1375-1377.
4. Even though science partially relies on serendipitous discoveries, the utilization of photoswitching units without careful investigations of the photoresponsive properties is inappropriate.
Sun, H.; Liu, D.; Du, J. *Chem. Sci.* **2019**, *10* (3), 657–664.
5. As is stated in recent studies, the challenge of the synthesis of trisubstituted alkenes by catalytic cross-metathesis is that stereoselectivity generally arises from substrate control. Introducing new methods, one should at least try to shift away from this substrate control.
Nguyen, T. T.; Koh, M. J.; Mann, T. J.; Schrock, R. R.; Hoveyda, A. H. *Nature* **2017**, *552* (7685), 347–354.
6. The study of biomimetic systems makes you marvel more at the sophistication and beauty of Nature.
7. Regarding the cleaning of glassware, rotary evaporators and auto-columns, the only person you can trust is yourself.
8. A molecular motor can be triggered to perform rotary motion with light, while the energy input of a working PhD student is food. However, it is difficult to find satisfying food in the campus canteens.
9. People all around the world are different, however, we are also the same.